

1 **In the Claims:**

2 Claims 1-37 were pending at the time of the Office Action.

3 Claims 1-37 are rejected.

4 No claims are canceled or amended by the current response.

5 Accordingly, claims 1-37 remain pending and, for the sake of convenience,  
6 are provided in a complete list of claims as follows:  
7

8  
9 1. (Original) A command line utility embodied in one or more  
10 computer-readable media, the command line utility comprising:

11 an object model command schema to define a mapping between one  
12 or more commands and an object model target schema, the one or more commands  
13 generated by the command schema and configured to operate against the target  
14 schema through the command line utility.

15  
16 2. (Original) A command line utility as recited in claim 1, the  
17 command schema comprising:

18 an alias class which defines a command template, each alias of the  
19 alias class representing a single command.

20  
21 3. (Original) A command line utility as recited in claim 2, the  
22 command schema further comprising:

23 a verb class as a subclass to the alias class, each instance of the verb  
24 class representing a behavior available through an alias;  
25

1 a format class as a subclass to the alias class, each instance of the  
2 format class representing a list of properties that will be returned through  
3 processing an alias; and

4 a connection class as a subclass to the alias class, each instance of  
5 the connection class providing parameters used through an alias when establishing  
6 a connection to a target namespace within the target schema.

7  
8 4. (Original) A command line utility as recited in claim 3, the  
9 command schema further comprising:

10 a parameter class as a subclass to the verb class, each instance of the  
11 parameter class representing parameters accepted by a verb from the verb class.

12  
13 5. (Original) A command line utility as recited in claim 3, the  
14 command schema further comprising:

15 a property class as a subclass to the format class, each instance of the  
16 property class representing property values for properties within a list of  
17 properties.

18  
19 6. (Original) A command line utility as recited in claim 2, the  
20 command schema further comprising:

21 a localized string class, each instance of the localized string class  
22 providing language-specific text relevant to an alias.

23  
24 7. (Original) A command line utility as recited in claim 2, the  
25 command schema further comprising:

1 a qualifiers class, each instance of the qualifiers class representing  
2 qualifiers to be applied to elements of an alias.

3  
4 **8. (Original)** A command line utility as recited in claim 2, the  
5 command schema further comprising:

6 a see-also association, each instance of the see-also association  
7 providing associations to aliases which are related to an alias.

8  
9 **9. (Original)** A command line utility as recited in claim 1, wherein  
10 the one or more commands are organizable into role-oriented namespace, such that  
11 commands related to particular administrative tasks are found together.

12  
13 **10. (Original)** A command line utility as recited in claim 1, wherein  
14 the command schema is extensible to permit the generation of additional  
15 commands to be added to the one or more commands.

16  
17 **11. (Original)** A command line utility as recited in claim 1, wherein  
18 the command schema is configurable to permit reconfiguration of the one or more  
19 commands.

20  
21 **12. (Original)** A command line utility as recited in claim 1, the  
22 command schema comprising:

23 an alias class to define alias instances, each alias instance  
24 representing a single command;  
25

1 a verb class to define verb instances, each verb instance representing  
2 behavior available through an alias instance;  
3 a parameter class to define parameters accepted by a verb instance;  
4 a format class to define format instances, each format instance  
5 having a list of properties to be displayed through an alias instance;  
6 a property class to define property instances, each property instance  
7 representing a property value from a property list;  
8 a connection class to define connection instances, each connection  
9 instance representing connection parameters used by an alias instance to establish  
10 a connection to the target schema;  
11 a qualifier class to define qualifier instances, each qualifier instance  
12 representing constraints on elements of an alias instance;  
13 a localized string class to define localized string instances, each  
14 localized string instance representing a text localization for translating text into a  
15 localized language; and  
16 a see-also association to associate an alias instance with other related  
17 alias instances.

18  
19 **13. (Original)** A command line utility as recited in claim 1, wherein  
20 the target schema comprises a WMI object model.

21  
22 **14. (Original)** A command line utility as recited in claim 1, wherein  
23 the command schema is a plurality of command schemas, each command schema  
24 representing an instant set of one or more commands.  
25

1           15.   (Original)   A command line utility as recited in claim 1, wherein  
2 the command schema resides on a local machine and the target schema resides on  
3 one or more remote machines.

4  
5           16.   (Original)   An object model schema embodied in one or more  
6 computer-readable media, the object model schema comprising:

7                   an alias class to define alias instances, each alias instance  
8 representing a command;

9                   a verb class to define verb instances, each verb instance representing  
10 behavior available through an alias instance;

11                   a parameter class to define parameters accepted by a verb instance;

12                   a format class to define format instances, each format instance  
13 having a list of properties to be displayed through an alias instance;

14                   a property class to define property instances, each property instance  
15 representing a property value from a property list;

16                   a connection class to define connection instances, each connection  
17 instance representing connection parameters used by an alias instance to establish  
18 a connection to the target schema;

19                   a qualifier class to define qualifier instances, each qualifier instance  
20 representing constraints on elements of an alias instance;

21                   a localized string class to define localized string instances, each  
22 localized string instance representing a text localization for translating text into a  
23 localized language; and

24                   a see-also association to associate an alias instance with other related  
25 alias instances.

1  
2       **17.**   (Original)   A management application embodied in one or more  
3 computer-readable media, the management application comprising:

4               a set of commands generated by an object model command schema  
5 to operate against an object model target schema, the command schema defining a  
6 mapping between the set of commands and the target schema; and

7               an interface utility to facilitate implementation of individual  
8 commands within the set of commands.

9  
10       **18.**   (Original)   A management application as recited in claim 17,  
11 wherein the interface utility is a command line interface utility.

12  
13       **19.**   (Original)   A management application as recited in claim 17,  
14 wherein the interface utility is a graphical user interface utility.

15  
16       **20.**   (Original)   A management application as recited in claim 17,  
17 wherein the set of commands is organizable into role-oriented namespace, such  
18 that individual commands related to particular administrative tasks are found  
19 together.

20  
21       **21.**   (Original)   A management application as recited in claim 17,  
22 wherein the command schema is extensible to permit the generation of additional  
23 commands to be added to the set of commands.

1           22. (Original) A management application as recited in claim 17,  
2 wherein the command schema is configurable to permit reconfiguration of  
3 individual commands in the set of commands.

4  
5           23. (Original) A management application as recited in claim 17,  
6 wherein the command schema comprises:

7                 an alias class to define alias instances, each alias instance  
8 representing a command within the set of commands;

9                 a verb class to define verb instances, each verb instance representing  
10 behavior available through an alias instance;

11                 a parameter class to define parameters accepted by a verb instance;

12                 a format class to define format instances, each format instance  
13 having a list of properties to be displayed through an alias instance;

14                 a property class to define property instances, each property instance  
15 representing a property from a property list;

16                 a connection class to define connection instances, each connection  
17 instance representing connection parameters used by an alias instance to establish  
18 a connection to the target schema object model;

19                 a qualifier class to define qualifier instances, each qualifier instance  
20 representing constraints on elements of an alias instance;

21                 a localized string class to define localized string instances, each  
22 localized string instance representing a text localization for translating text into a  
23 localized language; and

24                 a see-also association to associate an alias instance with other related  
25 alias instances.

1  
2       **24.**   (Original)   A management application embodied in one or more  
3 computer-readable media, the management application comprising:

4               a first object model to control the configuration and behavior of the  
5 management application in operating against and managing a second object  
6 model.

7  
8       **25.**   (Original)   A management application as recited in claim 24,  
9 wherein the first object model comprises:

10              an alias class to define alias instances, each alias instance  
11 representing a command used by the management application;

12              a verb class to define verb instances, each verb instance representing  
13 behavior available through an alias instance;

14              a parameter class to define parameters accepted by a verb instance;

15              a format class to define format instances, each format instance  
16 having a list of properties to be displayed through an alias instance;

17              a property class to define property instances, each property instance  
18 representing a property from a property list;

19              a connection class to define connection instances, each connection  
20 instance representing connection parameters used by an alias instance to establish  
21 a connection to the second object model;

22              a qualifier class to define qualifier instances, each qualifier instance  
23 representing constraints on elements of an alias instance;

1 a localized string class to define localized string instances, each  
2 localized string instance representing a text localization for translating text into a  
3 localized language; and

4 a see-also association to associate an alias instance with other related  
5 alias instances.

6  
7 **26. (Original)** A management application as recited in claim 24,  
8 wherein the second object model comprises a WMI object model.

9  
10 **27. (Original)** A method comprising:  
11 receiving a command through a command line interface;  
12 fetching an alias for the command;  
13 interpreting the command based on the alias and the current  
14 operating environment of the command line interface;  
15 executing the command as one or more WMI API calls against a  
16 target namespace;  
17 receiving WMI data in XML form;  
18 applying an XSL style sheet format the WMI data; and  
19 presenting the WMI data through the command line interface.

20  
21 **28. (Original)** A method as recited in claim 27, wherein the alias is  
22 an instance of an alias class.  
23  
24  
25

1           **29.**   (Original)   A method as recited in claim 28, wherein the alias and  
2 the current operating environment are determined by command entries to the  
3 command line interface.

4  
5           **30.**   (Original)   A method as recited in claim 28, wherein the alias  
6 class is the primary class in a command schema.

7  
8           **31.**   (Original)   A method as recited in claim 30, wherein the  
9 command schema additionally includes:

10                   a verb class to define verb instances, each verb instance representing  
11 behavior available through an alias;

12                   a parameter class to define parameters accepted by a verb instance;

13                   a format class to define format instances, each format instance  
14 having a list of properties to be displayed through an alias;

15                   a property class to define property instances, each property instance  
16 representing a property from a property list;

17                   a connection class to define connection instances, each connection  
18 instance representing connection parameters used by an alias to establish a  
19 connection to the target namespace;

20                   a qualifier class to define qualifier instances, each qualifier instance  
21 representing constraints on elements of an alias;

22                   a localized string class to define localized string instances, each  
23 localized string instance representing a text localization for translating text into a  
24 localized language; and

25                   a see-also association to associate an alias with other related aliases.

1  
2       **32.** (Original) One or more computer-readable media storing  
3 computer-executable instructions that, when executed on one or more processors,  
4 perform the method of claim 27.

5  
6       **33.** (Original) A method of managing objects in a target schema  
7 comprising:

8               providing a user interface;  
9               defining a command structure through an object-oriented command  
10 schema, the command schema including an alias class;  
11               instantiating an object of the alias class as an alias by receiving  
12 parameters of the alias class through the user interface, the alias representing a  
13 command which maps to an object in the target schema; and  
14               executing the command against the object in the target schema.

15  
16       **34.** (Original) A method as recited in claim 33, further comprising:  
17               receiving data related to the object in the target schema in XML  
18 form;  
19               retrieving an XSL file from a location defined through the alias;  
20               formatting the data for display by applying an XSL style sheet from  
21 the XSL file; and  
22               displaying the data through the user interface.

23  
24       **35.** (Original) A method as recited in claim 33, wherein the user  
25 interface is a command line user interface.

1  
2       **36.**   (Original)   A method as recited in claim 33, wherein the user  
3 interface is a graphical user interface.

4  
5       **37.**   (Original)   One or more computer-readable media storing  
6 computer-executable instructions that, when executed on one or more processors,  
7 perform the method of claim 33.